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**From:** Hoppe, Michael [Hoppe.Michael@epa.gov]  
**Sent:** 3/23/2016 2:56:18 PM  
**To:** Daly, Eric [Daly.Eric@epa.gov]  
**CC:** Benton, Tim [Tim.Benton@WestonSolutions.com]; Nwosu, Bernard [Ben.Nwosu@WestonSolutions.com]; Francis.Campbell@WestonSolutions.com; Nguyen, Lyndsey [Nguyen.Lyndsey@epa.gov]; Gaughan, Daniel [Gaughan.Daniel@epa.gov]  
**Subject:** Re: Instrumentation for upcoming CRU and HTC Assessments

Yes. Rental may be best.

iPhone may half autocorrected this message.

On Mar 23, 2016, at 10:48 AM, Daly, Eric <Daly.Eric@epa.gov> wrote:

Thanks Mike. It sounds like you may want to rent one unit specifically for this CRU eight foot core surveying. I assume it can be just a unit and probe...manually taking down readings and depths.

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**From:** Hoppe, Michael  
**Sent:** Wednesday, March 23, 2016 10:37 AM  
**To:** Daly, Eric <Daly.Eric@epa.gov>  
**Cc:** Benton, Tim <Tim.Benton@WestonSolutions.com>; Nwosu, Bernard <Ben.Nwosu@WestonSolutions.com>; Francis.Campbell@WestonSolutions.com; Nguyen, Lyndsey <Nguyen.Lyndsey@epa.gov>; Gaughan, Daniel <Gaughan.Daniel@epa.gov>  
**Subject:** Re: Instrumentation for upcoming CRU and HTC Assessments

I am not an expert on rad equipment but can tell you that each 2241 is calibrated with a specific cable and they are not to be interchanged, even between a seemingly similar equipment sets. Adding a long cable, even if you can find one, may require that the instrument be calibrated with that cable. Sounds strange but if you look at the cal certificates, I believe they are specific to that cable and probe in that set.

You should talk to a rad expert or Ludlum prior to changing anything in the setups.

iPhone may half autocorrected this message.

On Mar 22, 2016, at 9:19 PM, Daly, Eric <Daly.Eric@epa.gov> wrote:

I'm not sure if that was relayed to me. So you will be lowering detector into the hole? I have appointments tomorrow and not working. Mike, can you check into this tomorrow? See if ERT has extra long cables. If not, we can try to order.

Thanks

Regards,

Eric

"We must, indeed, all hang together, or assuredly we shall all hang separately",  
Benjamin Franklin  
Eric M. Daly  
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On Mar 22, 2016, at 8:56 PM, Benton, Tim <[Tim.Benton@WestonSolutions.com](mailto:Tim.Benton@WestonSolutions.com)> wrote:

Eric,  
Thanks for getting this all setup! One thing I wanted to confirm was that the Ludlum 2241 is coming along with a longer connection cable. As I believe you know, we are advancing borings at CRU and are being requested to screen the boring down to a maximum depth of 8 feet bgs. We will need a cable 10 feet or so to be able to accomplish that task.

Thanks,

Tim

Sent from my iPhone

On Mar 22, 2016, at 4:21 PM, Daly, Eric <[Daly.Eric@epa.gov](mailto:Daly.Eric@epa.gov)> wrote:

Good Afternoon:

I think we have a game plan as far as the instruments for the upcoming assessments at CRU and HTC.

Monday, March 28<sup>th</sup>, ERT will transport the equipment listed below to Edison.

Two (2) Ludlum 2241, Model 44-10 (2"x2" NaI probe), GPS, Viper units  
Two (2) RSS-131 HPIC

We have two buggies and the other communication equipment in Edison to go along with the ERT equipment. Therefore, we do not have to rent the equipment for either site assessment.

I will be in Monday and Tuesday to confirm receipt with ERT personnel. We are hoping

to coordinate a get together in the Edison Equipment Room on Wednesday, March 30<sup>th</sup> at 10:00AM. We can adjust the time if necessary. I will be out of the office on Wed but Dan Gaughan and Mike Hoppe should be available. We are requesting that Frank Campbell and any other available Weston Personnel that works on the rad sites attend. The purpose is to ensure all equipment is working properly for the upcoming assessments starting with CRU the week of April 4<sup>th</sup>.

Thanks

Regards,

Eric

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